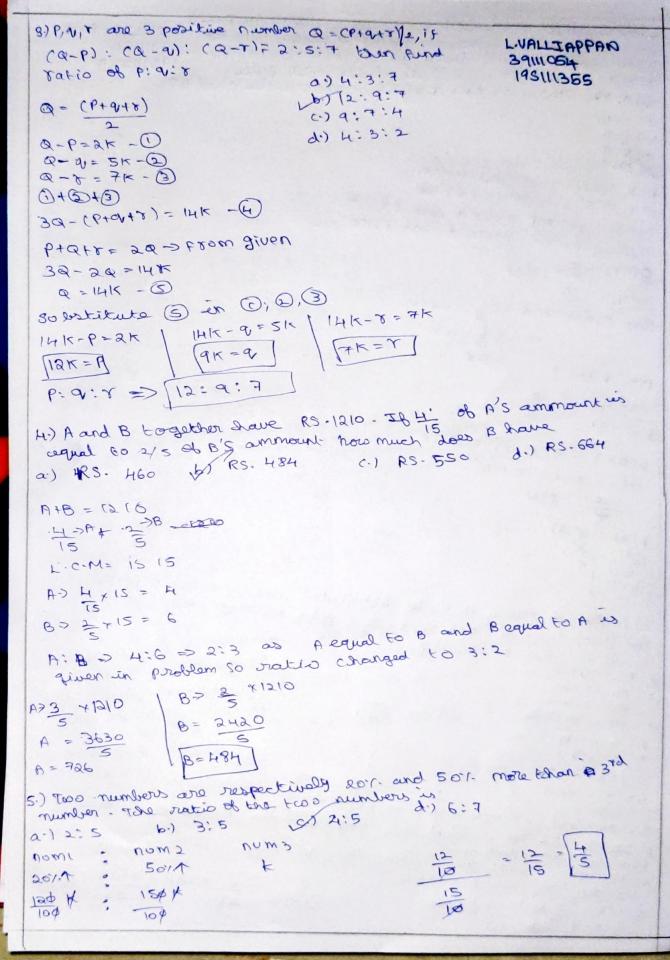
RATIO AND PROPOTIONS L.VALL IAPPAN 39111054 URam, Shyam and Suresh Start Irusiness. 195111355 investing the ratio 42:45:46. The time for each of them invested their money was in the tratio 8:6:12 tespertively. If they get profit of RS. 1800 from the business, then 800 much profit does RAM get? c) RS. 8000 d) RS. 10000 a1 RS 4000 b.) RS. 6000 BOT If we change the Truesment Tratio of gorosh to 14 1/2: 43: 16 When we get good which is in L-C-M=6 7×6: 7×6: 1/×6 option. 3:2:1 > Ratio of Investment 9,000 is not in option give. 8.6:12 > time for suresh investment change to 1/4 3x8: 2x6: 1x12 RH: 20012:12 1 x 12: 3 x 12: 1 x 12 L-C-M = 12 2:1:1 R=RAM 6:4:3 -> Ratio of investment R='2 x 18,000 8: 6:12 > bime = = x 18000 6x8 = 476 : 3x12 48:24:36 = 9000 = Sh = Shyam = 1 x 18000 4:2:3 RAM = 4 x18,000 = 8,000 = A500 SHUAM= 2 x18,000 = 4,000 30 - Suresh = 1 418000 SURESH = 3 x 18,000 = 6,000 = 4500 a.) The tratio of the number of loys and girls in a college is 7:8 If the porcentage increase in the number of logs and girls be 201 and for respectively. What will be the new ratio. b) 17:18 resalt 22 d.) can not defermined @ a.) 8:9 B=G=7:8 BA=20 GA=10 B-> 1007. + BA) => 120 x 7x = 42 x 100 G-> (100% + GA) x => 110 x8x = 44 x 安大· 出土 H2:44

21:22



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6) The tratio of the cost prices of two articles. A and B
                                                    L. VALLIAPPAN
is 4:5. The articles are sold at a profit with the
                                                    39111054
their selling prices being in the ratio 5:6. If the
                                                    193111355
Profit on article A as half of its oast price,
Find the ratio of the Profits on the articles 1 and B?
a.) 7:10
b.) q:11
0.) 5:9
AT 10:11
U.B SH: 2 3 COST brice
A: B => 5:6 => selling price
profit= selling price + cost price
 Selling price = proper + cost price
 SP(A) = 5 (1)
 SP(B) 6
Also profit on a = { x c.p(a)
                = LXHX
                = 20
 P(0): P(B) = ?
 2x+ 4x = 5
 P(6) + SE
 6(6x) = 5(P(b)) + 25x
  36x-25x=5 P(b)
    11x = P(P)
 P(a) : P(b)
  ax: lix
 10:11
 7) A Sum of money is to be distributed among A, B, C, D in the
 Per Proportion of 5:2:4:3. If a gold RS-1000 more than D,
 want is total ammount?
DTRS 14000
 b) RS. 15000
 c.) Rs. 20000
 d.) Home of those
  A: B: C: D
  5:2:4:3
  Gx-2x: 4x: 3x
 HX-3x=1000
 5x+2x+4x+3x = 14x = 14(1000) = 14,000
 8) It RS. 782 be divided into the rae parts, proportional to 1:3:34
 a) RS. 182 b) RS. 190 C) RS. 196 W) 204
   42: 0/3: 3/4 => L.C.M=12
                                      6 = 6 x782 = 4692 = 204
  ライノン: ラメノン: ライン
    6:8:9 00.
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9) A Bog contains Sopaisa, 20 paisa and 10 paisa coins in the realist of 5:3:1. If the total amount in the Irag is L. VALL IAPPAN 640 RS, Find De difference in the amounts contributed 39111054 193111355 Ing 50 Paisa and 20 Paisa coins dis None of these ST RS.380 6.1 RS- 400 a) RS. 300 GHORS 50P: 20P: LOP \$ 5x:3x:12 \$ 5:10 $\frac{5x}{2} + \frac{3x}{5} + \frac{1x}{10} = \frac{25+6+1}{10}x = \frac{32x}{10}$ 50PX 5 (200)=50x 1000 50(5x) + 20(3x) + 10(1x) = 320x 32 x = 640 RS. 20Px 3x 200= 600 x20 320 x = "640 RS = 12,000 P 320x= 64000 paisa 32 oc = 6400 10PX1 \$200= 2000P x = 2001 x= 200 Difference of 50p to 20pa = 50,000-12,000 = 38,000p (b) The Speed of an engine is proportional to the square most of the number of wagons attached to it is without any wagons attached to it the speed of an engine is 60 km/hr with 16 wagons attached to it the speed of the enains in the km/hr of the enains in the km/hr of the enains in the km/hr of the of the engine is to km/hr; Find the maximum number of wagons that ran he attached in that to ran de attached so total the torsin moves. X=KJG X be the diminished speed of y wagons 6) 145 The speed in reduced by 20 for 16 wagons. Maximum Wagons to Stop > 60 = 559 => 59 = 144 144-1 > 143-> Tall it moves 11) If 0.4 of a number is equal to 0.06 of another number, the It can pull H3 Wagons. a.) 5:3 P.) 3:4 R. 3:50 D. 5053 9.) 50:3 40:62 -> as 0.4 = 0.6 of some thing of answer is 3:20 304:0.06x y 4:0.62 12) The statio of incomes of two persons PlandP2 is 5:4 and ratio of 9 40:62 Dan expenditure is 3:2. If at the end of the year parch saves As. 1600 than what is the income of PI? a) RS. 860 9) 68-3900 Sprome => P(: P2 -> 5:4 1988.4000 Expense > 1.12 -> 3:2

Saving = Income - Expense (13) L.VALLIAPPAN 59-34-1600 1600 = '5x(12) - 3x(12) 39111054 4x 2000 195111355 1600 = 60x-36x 2x=1600 (OR) 1600 = 2 HX 5x-3y=1600 -0 x = 1600 = 200 4x-2y=1600 -1 (TX2 -) 10x -69 = 3200 \$60x200 = (4000) Dx3 > 12x -69 = 4800 2x = 1600 I = 800, 5(800) = (5,000. 13.) The mean propotional blw 234 and love is 6) 39 C) 54 d) None of these 234:2 : : a:104 234 = x 22 = 234×104 x = 24336 (4) The Seals in an Engineering College for computer Science, Electronics and civil are in the natio of 5:7:8. There is a propotion to increase those Seats by 40%, 50% and 75% respectively what will be the ratio 19-1 2:3:4 b) 6:7:8 e) 6:8:9 d.) none of these. at increased seats. C.S.E : E : C 5x : 7x; 8x 40x1: 50x1: 757.1 7x:21x:14x 175 X81 7440 x5x 1 830 x7x 1 14x; 21x; 28x 1400 3 2:3:4 72 21 2 100 LLex 15-) If 96 as divided into four proportional to 5,7,4,8 When the smallest part is - C120 d118 $\frac{5}{29} \times 96 = 20$ $\frac{7}{20} \times 96 = 28$ $\frac{4}{29} \times 96 = 16$ $\frac{8}{20} \times 96 = 32$ 2616 6114 16) Take price of \$357 apples is RS 2499 what is the price of 49 distants of Such apples? RS. 4116 d) RS. 3116 357 = 49 x12 => 1357x = 49x12x2499 => x= 49x12x2499 x=4116

